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ARMSTRONG  
LABORATORY

CROSS REFERENCE INDEX FOR BIOENVIRONMENTAL  
ENGINEER AND MILITARY PUBLIC HEALTH OFFICES

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AIR FORCE SYSTEMS COMMAND  
BROOKS AIR FORCE BASE, TEXAS 78235-5000

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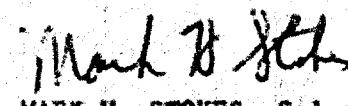
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## FOREWORD

This publication is prepared by the Armstrong Laboratory, Occupational and Environmental Health Directorate, Occupational Medicine Division for the purpose of assisting United States Air Force Bioenvironmental Engineering and Military Public Health Offices in conducting routine activities. The material presented in this document is not intended for promotional or advertising purposes and should in no way be construed as an endorsement of any product. Views expressed herein are those of the authors and reviewers and do not necessarily reflect the views of the United States Air Force or the Department of Defense.

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CROSS REFERENCE INDEX FOR  
BIOENVIRONMENTAL ENGINEER AND  
MILITARY PUBLIC HEALTH OFFICES

ALPHABETICAL LISTING

ADMINISTRATION

**AFOSH Standards Index (See ADMINISTRATION "Indexes to Publications and Forms")**

**AF Technical Orders**

AFR 8-2 AF Technical Order System  
T.O. 00-5 AF Technical Order Index  
T.O. 00-5-2 Technical Order Distribution System

**Bibliography of USAF OEH/L Armstrong Laboratory Technical Reports by Year**

T.R. 87-069 USAFOEHL Reports, 1 Jan 86 - 31 Dec 86  
T.R. 88-072 USAFOEHL Reports, 1 Jan 87 - 31 Dec 87  
T.R. 89-050 AFOEHL Reports, 1 Jan 88 - 31 Dec 88  
T.R. 90-037 AFOEHL Reports, 1 Jan 89 - 31 Dec 89  
T.R. 91-0035 AFOEHL Reports, 1 Jan 90 - 31 Dec 90

**Communicative Skills**

AFR 10-1 Preparing Written Communication  
AFP 13-2 "Tongue and Quill"  
AFR 13-5 USAF Effective Writing Course  
AFP 190-39 Aerospace Speechmaking Guide

**Files Maintenance and Publications Management**

APP 4-31 Records Maintenance and Disposition Training  
AFR 4-61 Publication Libraries and Sets  
AFR 5-1 Air Force Publications Management Program  
AFR 12-1 Air Force Records Management Program  
AFR 12-20 Management of Records  
AFR 12-50 Disposition of Air Force Documentation

**Indexes to Publications and Forms**

AFR 0-2 Numerical Index of Standard and Recurring Air Force Publications  
AFR 0-8 Numerical Index of Specialty Training Standards and Air Force Job Qualification Standards  
AFR 0-9 Numerical Index of Departmental Forms  
AFR 0-11 Index of Disaster Preparedness Training Packages  
AFR 0-13 Civilian Personnel Publications  
AFR 0-14 Engineering and Miscellaneous Federal and Commercial Publications  
AFR 0-15 Numerical Index of Specialized USAF Intelligence (USAF Intelligence Pubs.)

AFR 0-17 Air Force Occupational Safety and Health (AFOSH) Standards, Department of Labor, Occupational Safety and Health Standards (OSHA), & Health (NIOSH) Publications  
AFR 8-2 Air Force Technical Order System  
AFR 8-14 Air Force Occupational Safety and Health (AFOSH) Standards System

**Medical Records Access (See OCCUPATIONAL HEALTH "Medical Records")**  
**Standardized Air Force Terminology (See also Appendix A)**

AFM 11-1 US Air Force Glossary of Standardized Terms

## AEROSPACE MEDICINE

### Aerospace Medicine Program Responsibilities

AFP 161-18 Flight Surgeon's Guide  
AFR 161-33 The Aerospace Medicine Program

### Aircraft Mishap Investigation (See also SAFETY)

AFR 160-109 Medical Investigation of Aircraft Mishap Fatalities

### Biostatistics

AFR 161-33 The Aerospace Medicine Program  
AFR 168-4 Administration of Medical Facilities

### Combat Support

AFM 1-10 Combat Support Doctrine

## AIR

### Air Pollution

T.R. 88-070 Manual Calculation Methods for Air Pollution Inventories, May 1988 (DTIC Accession No.: AD-A198288)

### Emissions

USAFOEHL Report 88-070EQ011EEB  
AFR 19-7 Environmental Pollution Monitoring

### Environmental Protection

40 CFR 50-87 Protection of the Environment: Subchapter C Air Programs

### Indoor Air Quality

AFR 30-27 Smoking in Air Force Facilities  
AFM 85-12 Operation & Maintenance of Central Heating Plants & Distribution Centers  
AFM 85-44 Heating, Cooling, Ventilating Handbook

T.R. 90-169 Recommended Carbon Dioxide and Relative Humidity Levels for Maintaining Acceptable

T.R. 92-0016 Indoor Air Quality (DTIC Accession No.: AD-A230026)  
29 CFR 1910.94 Guide for Indoor Air Quality Surveys  
AIHA Occupational Safety and Health Standards  
(Ventilation)  
"Heating and Cooling for Man in Industry"  
  
NIOSH 91-108 Environmental Tobacco Smoke in the Workplace.  
Lung Cancer and Other Health Effects

## AIRCRAFT

### Accidents and Investigation (See SAFETY)

#### Washracks

AFR 86-2 Standard Facility Requirements

## ANIMAL

#### Capture Agents

T.R. 90-007 Animal Capture Agents, Jan 90 (DTIC Accession No.: A218503)

#### Claims

AFR 112-1 Claims and Tort Litigation

#### Training Aids for Working Dogs

T.R. 89-130 "Military Dog Training Aids: Toxicity and Treatment," Nov 89

#### Veterinary Health Services

AFR 163-5 Veterinary Health Services

## ASBESTOS

#### Exposure to Asbestos

NIOSH 77-169 Occupational Exposure to Asbestos  
AFOSH 161-4 Exposure to Asbestos  
AFR 88-15 Criteria and Standards for AF Construction  
Section 1-29, "Asbestos Materials Policy"  
AFR 127-12 AF Facility Occupational Safety, Fire  
Prevention and Health Program  
NIOSH 89-121 Control of Asbestos Exposure During Brake  
Drum Service  
NIOSH 90-119 An evaluation of Glove Bag Containment in  
Asbestos Removal

## BROKEN ARROW

#### Guidance

T.R. 83-115 A Broken Arrow Guide for Base Bioenvironmental  
Engineers

T.R. 84-001                    Broken Arrow Checklist for Bioenvironmental Engineers

Department of Transportation (DOT) P 5800.5                    Emergency Response to Hazardous Materials Incidents

NIOSH DOD 5100.52M                    "Pocket Guide to Chemical Hazards," CDC, Jun 90  
    Nuclear Weapon Accident Response Procedures

## CHILD DEVELOPMENT

### **Child Development Program**

AFR 215-1                    Air Force Morale, Welfare and Recreation (MWR) Programs & Activities

AFR 215-27                    Child Development Program

AFR 214-4                    Air Force Child Care Program Activities

### **Facilities**

AFM 86-2                    Standard Facility Requirements

AFP 88-38                    Child Development Centers

AFM 88-30                    Children's Outdoor Play Areas

AFR 88-50                    Criteria for Design & Construction of Air Force Health Facilities

AFP 88-53                    Design Guide for Youth Centers

### **Sanitation and Safety**

AFR 161-26                    Control of Foodborne Illnesses

AFR 161-34                    Public Facility Sanitation

## CLAIMS

### **Animal Damage (See ANIMALS)**

#### **Compensation**

AFR 40-810                    Injury Compensation

AFR 112-1                    Claims and Tort Litigation

#### **Hazard Survey**

NIOSH 74-127VI                    National Occupational Hazard Survey, Volume I, Survey Manual

## CLEAR ZONES

### **Fuel Servicing and Storage**

AFOSH Std 127-39                    Fuel Servicing Operations

AFOSH Std 127-43                    Flammable and Combustible Liquids

AFOSH Std 127-40                    Fuels Storage Systems

## **COMMUNICABLE DISEASE**

### **Control of Communicable Diseases**

AFP 50-6                   Prevention of Contagious Diseases and Field Sanitation  
AFR 161-6                   Control of Communicable Diseases  
AFR 161-7                   Prevention and Control of Sexually Transmitted Diseases

Reference Book             "Control of Communicable Diseases In Man" (Current edition, Abram S. Benenson)

### **Epidemiologic Services**

AFR 161-12                USAF Epidemiologic Services

### **Hospital Employee Health Program**

AFR 161-13                Immunization and Chemoprophylaxis  
AFR 161-33                The Aerospace Medicine Program  
AFR 168-13                Quality Assurance and Risk Management in the AF Medical Service  
AFR 168-4                 Administration of Medical Activities  
AFR 168-6                 Persons Authorized Health Care, Health Benefits Charges and Billing Procedures  
AFR 160-41                Infection Control in the AF Medical Service  
CDC                        "Guidelines for Infection Control in Hospital Personnel"

### **Immunizations**

AFR 161-13                Immunizations and Chemoprophylaxis

### **TB Detection and Control**

AFR 161-29                Tuberculosis Detection and Control Program

## **COMPUTER**

### **Electronic Bulletin Board User's Guide**

T.R. 91-0053              A User's Guide to the Armstrong Laboratory Electronic Information Exchange System (EIES) Bulletin Board System (DTIC Accession No.: AD-A236192)

### **Facilities**

AFOSH 127-64              Data Processing Facilities

### **Video Display Terminals**

T.R. 90-043                Ergonomics and Radiation Effects from Video Display Terminals and Workstations, Apr 90

## **CONVERSION FACTORS (See Appendix B)**

## **DRUGS AND ALCOHOL REHABILITATION**

**AFR 30-3** Social Actions Program  
**AFR 160-38** Family Advocacy Program

## **EDUCATION AND TRAINING**

**Course Announcements (USAF)**  
AFR 50-5 USAF Formal Schools (Policy, Responsibilities, General Procedures, and Course Announcements)

**Disaster Preparedness Training**  
AFR 0-11 Index of Disaster Preparedness Training Packages

**Effective Writing**  
AFR 13-5 USAF Effective Writing Course

**HAZCOM Training**  
AFOSH Std 161-21 Hazard Communication

**Health Promotion Aspects of Painting**  
T.O. 42A-1-1 Safety, Fire Precaution and Health Promotion Aspects of Painting and Paint Removal

**Instructors Handbook**  
AFM 50-62 Handbook for Air Force Instructors

**Occupational Health Training**  
AFR 161-33 The Aerospace Medicine Program

**On-the-job Training (OJT)**  
AFR 50-23 On-the-job Training (OJT)

**PFE Study Guide**  
AFP 50-34 Promotion Fitness Examination (PFE) Study Guide

**Speechmaking**  
AFP 190-39 Aerospace Speechmaking Guide

## **ENVIRONMENT**

**Boilers and Incinerators**  
AFR 19-6 Air Pollution Control Systems for Boilers and Incinerators

**Dust Control**  
AFM 88-17 Dust Control for Roads, Airfields and Adjacent Areas

**Effluent Standards**

40 CFR 401-471      Protection of the Environment: Subchapter N -  
                          Effluent Guidelines and Standards

**Environmental Quality**

AFP 19-5              Environmental Quality Control Handbook  
AFR 19-7              Environmental Pollution Monitoring  
AFR 19-8              Environmental Protection Committees and  
                          Environmental Reporting  
EPA-600/4-89-017      Compendium of Methods for the Determination of  
                          Toxic Organic Compounds in Ambient Air

**Hazardous Waste Standards**

40 CFR 262.12      Protection of the Environment: Standards  
                         Applicable to Generators of Hazardous  
                         Waste (EPA ID Numbers) Subpart A

**Impact Analysis**

AFR 19-2              Environmental Impact Analysis Process  
AFR 19-3              Environmental Impact Analysis Process (Overseas)

**Installation Restoration Program**

T.R. 89-119          Installation Restoration Program Information  
                         Management System (IRPIMS) Data Loading  
                         Handbook VERS. 2.1, (DTIC Accession No.:  
                         AS15883)

**Pollution Monitoring (See also AIR)**

40 CFR 122-125      Protection of the Environment: National  
                         Pollutant Discharge Elimination (Permits,  
                         Criteria, Standards)  
40 CFR 220-233      Protection of the Environment, Subchapter H -  
                         Ocean Dumping

**ERGONOMICS****Video Display Terminals**

T.R. 90-043          Ergonomics and Radiation Effects from Video  
                         Display Terminals and Workstations, April  
                         90 (DTIC Accession No.: AD-A222139)  
T.R. 1991-0082        Ergonomics Manual

**EQUIPMENT****Calibration**

AFOSH Std 127-90     Precision Measurement Equipment Laboratory (PMEL)

**Engines**

NIOSH 90-112         Engine and Turret Lathe Safety Guide

**Equipment Loan**

T.R. 90-132

Equipment Loan Inventory AUG 90 (DTIC  
Accession No.: AD-A228553)

**Machinery**

AFOSH Std 127-12 Machinery

**Portable Direct Reading Instruments**

T.R. 91-0087

Portable Direct Reading  
Instruments

**Portable Ladders**

AFOSH Std 127-4

Portable Ladders

**Tractors**

AFOSH Std 127-54 Agricultural Tractors and Implement Attachments

**FACILITIES**

**Child Care (See CHILD DEVELOPMENT)**

**Clubs and Recreation Buildings**

AFP 88-1

Open Messes

AFP 88-46

Multipurpose Recreation Facilities

**Design**

AFM 88-15

Air Force Design Manual - Criteria and Standards  
for Air Force Construction

AFR 88-50

Criteria for Design and Construction of Air  
Force Health Facilities

AFOSH Std 127-7

Scaffolding

T.R. 88-069

Design Criteria for Process Wastewater  
Pretreatment Facilities, May 88 (DTIC  
Accession No.: A 198 868

**Firing Ranges (See HAZARDOUS MATERIALS)**

**Floor Space Requirements**

AFM 86-2

Standard Facility Requirements

**Indoor Air Quality (See AIR)**

**Plans Review for Ventilation**

AFOSH Std 161-2 Industrial Ventilation

**Sanitation (See SANITATION)**

**Smoking (See AIR)**

**Wastewater Pretreatment Facilities (See WASTE DISPOSAL)**

**FETAL PROTECTION (See Also APPENDIX D)**

**Human Milk Hazard**

T.R. 85-185

A Guide to the Estimation of the Hazard  
Presented by Chemicals in Human Milk

**Pregnant Females**

AFR 160-12

T.R. 88-130

CDC

NIOSH

Professional Policies and Procedures  
"Women in the Workplace"  
"Guidelines for Protecting the Safety & Health  
of Health Care Workers"  
"Reproductive Hazards in the Workplace"

**FOOD INSPECTION**

**AAFES Food Products**

ESM 1-2

ESM 25-1

Veterinary and Preventive Medicine Services  
Food and Expense Supplies Purchase Description

**Approved Sources**

AFR 161-32

USDA

USDA

USDC

HSC

FDA

FDA

Food Safety and Inspection Programs  
"Meat and Poultry Inspection Directory"  
"Dairy Plants Surveyed and Approved for  
USDA Grading"  
"Approved List of Fish Establishments and  
Products"  
"Directory of Sanitarily Approved Food Establish-  
ments for Procurement (CONUS)"  
Interstate Milk Shippers List (IMSL)  
Interstate Certified Shellfish Shippers  
List (ICSSL)

**Commissary Program**

AFR 145-1

Air Force Commissary Program (Will change to DeCA  
Directive 40-1)

**Description (Specifications) of Meat Items**

IMP

NAMPS

"Institutional Meat Purchase Specification"  
"National Association of Meat Purveyor's"

**DPSC Support**

DOD 4155.6

Subsistence Inspection Manual

**Hazardous Food Recall**

AFR 161-42

DOD Hazardous Food and Nonprescription  
Drug Recall System

**Insects and Mite Pests in Food**

AGR-HB-655

Insects and Mite Pests in Food (DSN: 240-3214  
Armstrong Lab/OEMB)

MIL-STD 904

Guidelines for Detection, Evaluation and Prevention  
of Pest Infestation of Subsistence

**Inspection and Sampling**

AFR 161-32 Food Safety and Inspection Program  
MIL STD 105E Sampling Procedures and Tables for Inspection by Attributes

**Instorage Inspections**

AFR 161-32 Food Safety and Inspection Program  
DPSCM 4155.7 Instorage Quality Control and Inspections  
DODR 4145.19-R-1 Storage and Materials Handling

**Operational Rations**

DPSC Hndbk 4155.2 and Appendices A - F Subsistence Inspection  
Composite Operational Rations  
DODR 4145.19-R-1 Storage and Materials Handling

**Responsibilities and Duties**

AFR 161-32 Food Safety and Inspection Program  
AFR 161-33 The Aerospace Medicine Program  
  
ESM 1-2 Veterinary and Preventive Medicine Services  
DPSCM 4155.6 DPSC Subsistence Inspection Manual

**FUELS****Benzene (See HAZARDOUS MATERIALS)****TLV Rationale**

T.R. 83-128 Rationale for a Threshold Limit Value (TLV) for  
JP-4/JET B Wide Cut Aviation Turbine Fuel

**Handling and Storage**

T.O. 42B1-1-18 General Procedures - Handling of H-70 Fuel  
(Hydrazine-Water Fuel) F-16  
AFR 19-4 Management of Recoverable and Unusable Liquid Petroleum Products  
AFOSH Std 127-38 Hydrocarbon Fuels, General  
AFOSH Std 127-39 Fuel Servicing Operations  
AFOSH Std 127-40 Fuels Storage Systems  
AFOSH Std 127-42 Base Fuel Laboratories  
AFOSH Std 127-43 Flammable and Combustible Liquids  
46 CFR 38 Flammable Gases/Liquids

**HAZARDOUS MATERIALS****Analysis**

AFOEHL Recommended Sampling Procedures, March 89  
(Request through AL Library, Brooks AFB, Tx)  
DSN: 240-3421  
T.R. 90-138 Contracting of Samples for Chemical Analyses -  
What You Should Know About It, (DTIC Accession No.: AD-A227896)

T.R. 90-150	Evaluation of Combustion Products of Used Harvey's Vapo-Steril Solution, Brooks AFB, Tx. (DTIC Accession No.: AD-A228807)
T.R. 90-225	Automation of a Large Analytical Chemistry Laboratory
NIOSH 77-157	NIOSH Manual of Analytical Methods 2nd Edition
EPA-600/4-89-017	Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air
<b>Benzene</b>	
29 CFR 1910.1028	Benzene
40 CFR 61	Air Pollution Control, National Emissions Standards for Hazardous Air Pollutants
AFOSH Std 161-7	Exposure to Benzene
AFOSH Std 161-8	Permissible Exposure Limits for Chemical Substances
<b>Benzyl Chloride</b>	
NIOSH 78-182	Occupational Exposure to Benzyl Chloride
<b>Beryllium</b>	
40 CFR 61	Air Pollution Control, National Emmissions Standards for Hazardous Air Pollutants
AFOSH Std 161-8	Permissible Exposure Limits for Chemical Substances
<b>Cements, Sealants and Coatings</b>	
T.O. 42A3-1-2	General Use of Cements, Sealants and Coatings
<b>Chemicals</b>	
T.O. 42C-1-12	Quality Control of Chemicals
NIOSH	"Pocket Guide To Chemical Hazards"
AFP 19-5	Environmental Quality Control
<b>Chemotherapeutic Agents Sampling</b>	
T.R. 91-0060	Air Sampling for Chemotherapeutic Agents: A Literature Review (DTIC Accession No.: AD-A237983)
<b>Ethylene Dichloride Exposure</b>	
NIOSH 78-211	Occupational Exposure to Ethylene Dichloride
<b>Firing Ranges</b>	
AFM 86-2	Standard Facility Requirements
22 CFR 120	Arms and Munitions, General Policies & Provisions
ACGIH	Industrial Ventilation Manual
T.R. 77-4	Industrial Hygiene Survey of the Firing Range Underground Test Firing Range (Lackland AFB, Texas.)
<b>Hazardous Waste</b>	
AFR 19-11	Hazardous Waste Management and Minimization
AFR 19-14	Management of Recoverable and Unusable Liquid Petroleum Products

T.O. 42B-1-23 40 CFR 264.50 Subpart D	Management of Recoverable & Waste Liquid Products  Protection of the Environment: Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities
<b>HAZCOM Training</b> AFR 161-21	Hazard Communication
<b>HAZMAT Regulations</b> 49 CFR 171-180	Transportation Subtitle B, Chapter 1, Subchapter C - Hazardous Materials Regulations
<b>Herbicides</b> AFR 91-19	Weed Control and Plant Growth Regulation
<b>HMIS User's Guide</b> T.R. 85-003	USAF Hazardous Materials Information System (HMIS) User's Guide
<b>Hydraulic fluids</b> T.O. 42B2-1-3	Fluids for Hydraulic Equipment
<b>Hydrazine</b> AFOSH Std 161-13	Exposure to Hydrazine
<b>Isocyanates</b> T.R. 90-030	Sample Collection, Analysis & Respirator Use With Isocyanate Paints
<b>Ketones</b> NIOSH 78-173	Occupational Exposure to Ketones
<b>Lead</b> NIOSH 74-125 NIOSH 78-158 AFOSH Std 161-16	Working with Lead in Industry Occupational Exposure to Inorganic Lead Occupational Exposure to Inorganic Lead
<b>Lubricants and Anti-seize Compounds</b> T.O. 42B-1-6	Corrosion Preventive Lubricants, and Anti-Seize Compounds
<b>Mercury in Industry</b> T.O. 42C-1-18  NIOSH 74-120	Mercury for Use in Precision Measuring Equipment Including Reclamation Working With Mercury in Industry
<b>Metal Treatments</b> T.O. 42C2-1-7	Metal Treatments
<b>Nitrogen Quality Control</b> T.O. 42B7-3-1-1	Quality Control of Nitrogen

**Nitrogen Tetroxide**  
AFM 161-30, Vol II

Chemical Rocket/Propellant Hazards, Liquid Propellants

**Organic Coating Materials**

T.O. 42A2-1-4      Storage Control of Organic Coating Materials (Paints and Allied Materials)

**PCB's**

40 CFR 761      Protection of the Environment: PCB's Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions

**Permissible Exposure Limits for Chemical Substances**

AFOSH Std 161-8      Permissible Exposure Limits for Chemical Substances

ACGIH TLV      "Threshold Limit Values for Chemical Substances and Physical Agents in the Workroom Environment"

**Pesticides and Rodenticides (See PEST MANAGEMENT AND MEDICAL ENTOMOLOGY)**

**Quality Control**

T.O. 42c-1-12      Quality Control of Chemicals

**Radiation**

T.O. 00-110N-14      Radioactive Test Sample, Krypton 85, GAMMA MX7338/PDR-27R

**Right-To-Know Programs**

40 CFR 300-373      Protection of the Environment Subchapter J - Superfund, Emergency Planning and Community Right-To-Know Programs

**Toxic Substances Control**

40 CFR 700-799      Protection of the Environment Chapter 1 Subchapter R - Toxic Substances Control Act

**Transportation and Pipeline Safety**

49 CFR 106-107      Transportation Subtitle B, Chapter 1, Subchapter B - Hazardous Materials Transportation and Pipeline Safety

**Vinyl Acetate Exposure**

NIOSH 78-205      Occupational Exposure to Vinyl Acetate

**Vinyl Chloride Exposure**

AFOSH Std 161-5      Exposure to Vinyl Chloride

## **HEARING CONSERVATION**

### **Program Guidance**

AFOSH Std 161-20	Occupational Health Hearing Conservation Program
AFR 161-35	Hazardous Noise Exposure
AFR 160-53	Medical Service Audiology Centers
AFR 161-15	Audiometer Booths for Medical Facilities
AFOSH Std 161-17	Standardized Occupational Health Program
T.R. 90-198	Defining Occupational Illnesses and Injuries

## **HEAT/COLD STRESS**

### **Cold Injury**

AFP 161-11	Cold Injury
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### **Prevention, Treatment Control**

AFP 160-1	Prevention, Treatment and Control of Heat Injury
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### **Relative Humidity & Temperature Recorder**

T.O. 3LCS-10-1	Instruction Manual - Portable Relative Humidity and Temperature Recorder
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## **INDUSTRIAL OPERATIONS**

### **Aisle Space**

AFOSH Std 127-66	General Industrial Operations
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### **Battery Storage**

T.O. 8D2-3-1	Aircraft Nickel Cadmium Storage Batteries
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### **Brakes**

AFOSH Std 127-66	General Industrial Operations
29 CFR 1910.68	

### **Communications Systems**

AFOSH Std 127-50	Ground Communications Electronic (CE) Systems
AFOSH Std 127-51	Communications Cable and Antennae Systems

### **Confined Space Entry**

29 CFR 1910.146	Confined Space Entry
AFOSH Std 127-5	Welding, Cutting and Brazing
AFOSH Std 127-25	Confined Space Entry
T.O. 1-1-3	Inspection & Repair of Aircraft Integral Tanks & Fuel Cells

### **Corrosion Control**

AFR 85-3	Paints & Protective Coatings
AFR 91-27	Corrosion Control Program
AFR 400-44	Air Force Corrosion Program
T.O. 1-1-691	Aircraft Weapons Systems Cleaning and Corrosion Control

T.O. 1-1-8 Application of Organic Coatings, Aerospace Equipment  
T.O. 35-1-3 Corrosion Prevention, Painting and Marking of USAF Support Equipment (SE)  
T.O. 42c-1-14 Corrosive Chemical Material Neutralization

**Degreasing Operations**

T.O. 42c-1-20 Chemical Cleaning

**Dry Cleaning**

40 CFR 60 Standards of Performance for New Stationary Sources

**Electroplating**

AFOSH Std 161-2 Industrial Ventilation

**Emergency Shower and Eyewash Units (See SAFETY)**

**Eye Protection (See INDUSTRIAL OPERATIONS "Personal Protective Equipment")**

**Fire Protection**

AFOSH Std 127-56 Fire Protection  
AFR 92-1 Fire Protection Program  
T.R. 1991-0071 Occupational Medical Surveillance Recommendations

**Fuel Cell Repair**

T.O. 1-1-3 Inspection and Repair of Aircraft Integral Tanks and Fuel Cells

**Gas Indicators/Detectors**

T.O. 11H5-14-1 Combustible/Toxic Gas Indicator, Type R-2  
T.O. 11H5-15-1 Carbon Monoxide Detector Kit, Type B-1  
T.O. 11H5-17-1 OPN Instrument with IPB -- Combustible/Toxic Gas Indicator, Model TBA 5100-1  
T.O. 11H5-2-11 USAF Type R-1 Explosimeter, Operations and Service  
AIHA Manual of Recommended Practice for Combustible Gas Indicators and Portable Direct Reading Hydrocarbon Detectors

**General Operations**

AFOSH Std 127-66 General Industrial Operations  
40 CFR 51 App. B Requirement for Preparation, Adoption, Submittal of Implementation Plans (Suspended Particulates High Volume Method)

**Machinery**

AFOSH Std 127-12 Machinery

**Non-Destructive Inspection (NDI)**

AFOSH Std 127-110 Non-Destructive Inspection and Oil Analysis Program

**Personal Protective Equipment (PPE)**

AFOSH Std 127-31 Personal Protective Equipment

**Stairs and Surfaces**

AFOSH Std 127-1 Walking Surfaces  
AFOSH Std 127-3 Fixed Industrial Stairs

**Welding**

NIOSH 77-131 Welding Safety

**MEDICAL READINESS**

(See Also APPENDIX C "T.O. Listing For Medical Readiness")

**Broken Arrow Guidance (See BROKEN ARROW)**

**Planning and Training**

AFR 28-4 USAF Mobility Planning  
AFR 28-5 USAF Mobilization Planning  
AFM 105-7 Field Behavior of NBC Agents (Includes Smoke and Incendiaries)  
AFR 160-25 Medical Readiness Planning and Training  
AFP 161-3 NATO Handbook on the Medical Aspects of NBC Defensive Operations AMed P-6  
AFR 355-1 Planning and Operations  
AFR 355-2 Nuclear Weapon Accident Response Procedures (NARP)  
AFR 355-3 AF Personnel Shelter Program  
AFR 355-4 Chemical Weapons Employment  
AFR 355-6 Technical Aspects of Biological Defense  
AFR 355-8 Mission Oriented Protective Postures:  
Minimizing Performance Degradation During Chemical Defense Operations

**NOISE**

**Noise Abatement**

40 CFR 201-211 Protection of the Environment Subchapter G - Noise Abatement Programs

**Noise Level Measurements**

T.R. 89-103 Measuring Day-Night Noise Levels (DNL)  
Using the Metrosonics DB-310 Sound Level Analyser (Dosimeter) September 89 (DTIC Accession No.: AD-A215757)

**Planning in the Noise Environment**

AFM 19-10

Planning in the Noise Environment

**References**

NIOSH-07-91  
T.R. 90-198

NIOSH Publications on Noise and Hearing  
Defining Occupational Illnesses and Injuries

**OXYGEN**

**Compressed Air**

AFM 88-8

Compressed Air

**Cylinders**

T.O. 42B5-1-2  
T.O. 42B6-1-1

Gas Cylinders (Storage Type)  
Quality Control of Oxygen Propellant, Liquid  
Oxygen, Aviator's Liquid Breathing Oxygen  
and Aviator's Gaseous Breathing Oxygen

**OCCUPATIONAL HEALTH**

**Anesthetic Gases**

CDC  
CDC

"Guidelines for Health Care Workers"  
"Reproductive Hazards in the Workplace"

**Boilers and Incinerators**

AFR 19-6

Air Pollution Control Systems for Boilers  
and Incinerators

**Cancer Clusters**

T.R. 90-168

Investigating Cancer Clusters (DTIC  
Accession No.: AD-A230053)

**Carcinogens**

NIOSH 77-206  
NIOSH 90-116

ACGIH TLV

Working with Carcinogens  
Preventing Bladder Cancer from Exposure to  
o-Toluidine and Aniline  
"Threshold Limit Values for Chemical Substances  
and Physical Agents in the Workroom Environment"

**Chemical Hazards and Exposure Control**

NIOSH 89-104

Occupational Safety and Health Guidelines for  
Chemical Hazards, Supplement 2

NIOSH 90-116

Preventing Bladder Cancer from Exposure to  
o-Toluidine and Aniline

NIOSH 90-118

Occupational Exposure to Ethylene Glycol  
Monobutyl Ether and Ethylene Glycol Monobutyl  
Ether Acetate

<b>Composite Fibers</b>	
T.R. 90-226	Composite Fiber Hazards
<b>Hazard Communication</b>	
AFOSH 161-21	Hazard Communication
<b>Laboratory Services</b>	
AFR 161-17	USAF Occupational and Environmental Health Laboratory (OEHL) Services
T.R. 90-216	AFOEHL Bioassay Services, Dec 90
AFOSH Std 127-42	Base Fuel Laboratories
AFOSH Std 127-90	Precision Measurement Equipment Laboratory
<b>Laser Radiation</b>	
AFOSH Std 161-10	Health Hazards Control for Laser Radiation
<b>Lead</b>	
NIOSH 74-125	Working with Lead in Industry
OSHA 3126	Working with Lead in the Construction Industry
<b>Medical Records Access</b>	
29 CFR 1910.20	Occupational Safety & Health Standards (Access to Employee Exposures and Medical Records)
<b>Medical Treatment Facility Employee Health</b>	
NIOSH 75-101	Hospital Occupational Health Services Study
<b>Occupational Health Examinations Recommendations</b>	
T.R. 91-0071	Occupational Medical Surveillance Recommendations
<b>Occupational Illness and Injuries</b>	
AFR 127-4	Investigating and Reporting US Air Force Mishaps
AFR 127-12	Air Force Occupational Safety and Health Program
AFR 161-33	Aerospace Medicine Program
T.R. 90-198	Defining Occupational Illness and Injuries (DTIC Accession No.: AD-A231513)
T.R. 91-0036	USAF Occupational Illness Annual Summary, FY 1990 (DTIC Accession NO.: AD-A234854)
NIOSH 77-181	Occupational Diseases: A Guide to Their Recognition
NIOSH 79-116	A Guide to Work-Relatedness of Disease
<b>Program</b>	
AFOSH 161-17	Standardized Occupational Health Program
29 CFR 1900-999	Labor Chapter XVII Occupational Safety and Health Administration, Department of Labor (PARTS 1900-1999)
NIOSH 88-8017	NIOSH Recommendations for Occupational Safety and Health Standards for 1988
<b>Pregnant Active Duty Females (See FETAL PROTECTION)</b>	

**Radiofrequency Radiation Exposure**  
AFOSH 161-9      **Exposure to Radiofrequency Radiation**

**Respiratory Protection (See "RESPIRATORY PROTECTION")**  
AFOSH Std 161-1    Respiratory Protection Program

**Solvents (See HAZARDOUS MATERIALS)**

**Surveys**

OSHA 2098      OSHA Inspections

**Target Organs**

AFOSH Std 161-3   Atch 1 for Target Organs

**Women in the Workplace**

T.R. 88-130      Women in the Workplace  
T.R. 91-0068      Women in the Military Cockpit  
AFOSH Std 127-66   General Industrial Operations

**PERSONNEL**

**Assignments**

AFR 36-20      Officer Assignments  
AFR 39-11      Airman Assignments

**Awards**

AFR 900-79      Cleveland L. Parker Environmental Health  
Technician of the Year Award  
AFR 900-XX      Public Health Officer of the Year  
AFR 40-452      Performance Management Program  
AFR 900-48      Individual and Unit Awards and Decorations

**Career Progression**

AFR 35-16      The USAF Reenlistment, Retention, and NCO  
Status Programs  
AFR 36-1      Officer Classification  
AFR 36-5      Appointment of Officers in the Regular  
Air Force  
AFP 36-13      Officer Professional Development Guide  
AFP 36-22      Officer Career Information  
AFR 36-23      Officer Professional Development  
AFP 36-29      Officer Career Planner United States Air Force  
AFR 36-32      "You and Your Promotions," The Air Force Officer  
Promotion System  
AFR 39-1      Airman Classification  
AFR 39-6M      The Enlisted Force Structure  
AFR 39-7      Airman Career Information  
AFP 39-8      The Weighted Airman Promotion System (WAPS)  
Study Reference List  
AFR 39-19      Airman Career Planner  
AFR 39-29      Promotion of Airmen  
AFR 50-23      On-the-job Training (OJT)

**Civilian Personnel**

AFR 40-11 Civilian Standards  
AFR 40-735 Civilian Conduct and Responsibility  
AFR 40-810 Injury Compensation

**Dress and Personal Appearance Standards**

AFR 35-10 Dress and Personal Appearance of Air Force  
Personnel

**Evaluation Reports**

AFR 36-10 Officer Evaluation System  
AFR 39-15 Airman & NCO Performance Feedback System  
AFR 39-62 The Enlisted Evaluation System (EES)

**Standards of Conduct**

AFR 30-30 Standards of Conduct

**Temporary Duty (TDY)**

AFP 40-7 Temporary Duty Travel  
AFR 35-26 Permissive Temporary Duty

**Weight and Fitness**

AFR 35-11 The Air Force Weight and Fitness Program

**PEST MANAGEMENT AND  
MEDICAL ENTOMOLOGY PROGRAM****Aerial Dispersal**

AFR 91-22 Aerial Dispersal of Pesticides

**Entomology Program**

AFR 91-21 Pest Management Program  
AFM 91-16 Military Entomology Operational Handbook  
AFR 161-1 Medical Entomology Program

**Pesticide Programs**

40 CFR 152-186 Protection of the Environment Subchapter  
E - Pesticide Programs

**Pests in Food (See FOOD INSPECTION)****Quarantine**

AFR 161-4 Medical & Agricultural Foreign and Domestic  
Quarantine Regulations for Vessels, Aircraft  
and Other Transport of Armed Forces

**Venomous Arthropods**

AFP 161-43 Venomous Arthropod Handbook

## **PHYSICAL EXAMINATION**

### **Administration (Scheduling, Standards and Disposition)**

AFM 12-50	Disposition of Air Force Records - Records Disposition Standards
AFR 30-130, Vol I	Base Level Military Personnel System, Users Manual
AFR 161-33	The Aerospace Medicine Program
AFR 168-4	Administration of Medical Activities
AFR 92-1	Fire Protection Program
AFR 92-3	Firefighter Physical Fitness Program

### **Civilian Duty Restrictions**

AFR 40-716	Fitness for Duty Examinations and Resulting Personnel Action
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### **Diagnostic X-Ray Procedures**

AFM 161-38	Diagnostic X-Ray, Therapeutic X-Ray, and Gamma-Beam Protection for Energies Up to 10 Million Electron Volts
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### **Examinations**

AFR 160-43	Medical Examination and Medical Standards
AFOSH Std 161-17	Standardized Occupational Health Program
AFR 160-17	Physical Examination Techniques

### **Fire Fighters**

AFR 92-1	Fire Protection Plan
AFR 92-3	Firefighter Physical Fitness Program
T.R. 1991-0071	Occupational Medical Surveillance Recommendations

### **Laser**

AFOSH Std 161-10	Health Hazards Control for Laser Radiation
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### **Radiological Hazards**

AFR 160-132	Control of Radiological Health Hazards
AFOSH Std 161-9	Exposure to Radiofrequency Radiation

### **Vector-borne Disease**

AFR 161-1	Medical Entomology Program
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## **RADIATION**

### **Dosimetry Program**

AFR 161-28	USAF Personnel Dosimetry Program and Waste Radiation Exposure Registry
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### **Electromagnetic Radiation**

T.O. 31Z-10-4	Electromagnetic Radiation Hazards
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**Electron Tubes**

T.O. 00-110N-7      Handling and Disposition of Radioactive Electron Tubes and Spark Gaps

**Intrinsic Radiation**

T.O. 88-071RC0111EXX

The INRAD Handbook

**Ionizing Radiation**

T.R. 85-144

Ionizing Radiation Guidebook for Bio-environmental Engineers (BEE'S)

**Non-ionizing Radiation**

T.R. 90-043

Ergonomics and Radiation Effects From Video Display Terminals and Workstations

T.R. 87-091

Laser Range Evaluation Guide for Bioenvironmental Engineers

T.R. 89-023

Base Level Management of Radio Frequency Radiation Protection Program (DTIC Accession No.: A211759)

**Non-Destructive Inspection Methods**

T.O. 33B-1-1

Non-Destructive Inspection (NDI) Methods

T.R. 89-026

Evaluation of Ultraviolet (UV) Radiation

Hazards in Non-destructive Inspection (NDI) Operations

**Radiation Assistance Program (RAP)**

T.R. 85-083RI111ERC

Summary Assessment of Base Level RAP Visits for the Period Jul-Dec 84

T.R. 85-193RI111MRC

Summary Assessment of Base Level RAP Visits for the Period Jan-Jun 85

T.R. 86-066RI0111GRC

Summary Assessment of Base Level RAP Visits for the Period Jul-Dec 85

**Radiation and Radioactive Material Protection**

AFOSH Std 161-10      Health Hazards Control for Laser Radiation

40 CFR 190-192      Protection of the Environment Subchapter

F - Radiation Protection Programs

AFR 161-16      Control of Radioactive Material

AFR 161-28      USAF Personnel Dosimetry Program and Waste Radiation Exposure Registry

T.O. 00-110A-1

Guidelines for Identification and Handling of Aircraft and Materiel Contaminated with Radioactive Debris (Fallout)

T.R. 85-144

Ionizing Radiation Guidebook for Bio-environmental Engineers (BEE'S)

**Radioactive Waste Material (See WASTE DISPOSAL)**

**Radiofrequency Program and Damage Assessment**

T.R. 89-023      Base Level Management of Radio Frequency  
Radiation Protection Program (DTIC Accession  
No.: A211759)

T.R. 85-144 86-020

Assessing Possible Damage Due to Radio  
Frequency Radiation

**Radon**

T.R. 87-132RZ011KRD

The Bioenvironmental Engineer's Primer to the  
Air Force Radon Assessment and Mitigation  
Program (RAMP)

**RESPIRATORY PROTECTION**

**Programs**

NIOSH 78-193A      Respiratory Protection: An Employer's Manual  
AFOSH Std 161-1      Respiratory Protection Program

**Quality Control**

T.O. 42B6-1-1      Quality Control of Oxygen Propellant, Liquid  
Oxygen, Aviator's Liquid Breathing Oxygen, and  
Aviator's Gaseous Breathing Oxygen  
T.O. 42B-1-22      Quality Control of Compressed and Liquid  
Breathing Air

**SAFETY**

**Accident Reporting and Prevention**

AFR 127-1, Vol 1      US Air Force Guide to Mishap Investigation  
AFR 127-1, Vol 2      Investigative Techniques  
AFR 127-1, Vol 3      Safety Investigation Workbook  
AFR 127-2      The US Air Force Mishap Prevention Program  
AFR 127-4      Investigating and Reporting US Air Force  
Mishaps  
AFR 127-11      Participation in a Military or Civil Aircraft  
Investigation

**Ammunition (See SAFETY "Explosives")**

**Chemical**

AFOSH Std 127-68      Chemical Safety

**Communications**

AFOSH Std 127-50      Ground Communications Electronic (CE) Systems

**Electrical**

AFR 160-3      Electrical Safety in Medical Treatment  
Facilities  
NEC      National Electric Code

**Emergency Shower and Eyewash Units**

AFOSH Std 127-32 Emergency Shower and Eyewash Units  
29CFR 1910.151 Occupational Safety & Health Standards  
ANSI Z358.1-90 Emergency Eyewash & Shower Equipment

**Explosives**

AFR 127-100 Explosive Safety Standards

**Fire Extinguishers**

AFR 92-1 Fire Protection Program

**Fire Protection**

AFOSH Std 127-56 Fire Protection

**Gas Indicator**

T.O. 11H5-14-1 Combustible/Toxic Gas Indicator, Type R-2

**General Operations**

AFOSH Std 127-66 General Industrial Operations  
40 CFR 51 Appendix B

Requirement for Preparation, Adoption,  
Submittal of Implementation Plans (Suspended  
Particulates High Volume Method)

**Liquid Nitrogen and Oxygen**

AFOSH Std 127-67 Liquid Nitrogen and Oxygen Safety

**Lockout/Tagout**

AFR 127-45 Hazardous Energy Control and Mishap Prevention  
Signs and Tags

**Mishap Prevention**

AFR 127-2 The US Air Force Mishap Prevention Program

**Non-Destructive Inspection (NDI)**

AFOSH Std 127-110 Non-Destructive Inspection and Oil Analysis  
Program

**Personal Protective Equipment (PPE)**

AFOSH Std 127-31 Personal Protective Equipment

**Safety Program**

AFR 127-12 Air Force Occupational Safety, Fire Prevention  
and Health  
AFR 800-16 USAF System Safety Program

**Stairs**

AFOSH Std 127-3 Fixed Industrial Stairs

**Surfaces**

AFOSH Std 127-1 Walking Surfaces

**Vehicles**

AFR 19-4 Use and Control of Off-Road Vehicles



## **TRANSPORTATION**

### **Hazardous Materials**

49 CFR 106-107

Trans. Subtitle B, Chap 1, Subc B - Hazardous Materials, Transportation and Pipeline Safety

## **VENTILATION**

AFM 85-12

Operation & Maintenance of Central Heating Plants & Distribution Centers  
Heating, Cooling, Ventilating Handbook  
Air Force Design Manual, Criteria and Standards for Air Force Construction  
Criteria for Design and Construction of Air Force Health Facilities

AFOSH Std 161-2  
NIOSH 91-108

Industrial Ventilation  
Environmental Tobacco Smoke in the Workplace.  
Lung Cancer and Other Health Effects

T.R. 90-169

Recommended Carbon Dioxide and Relative Humidity Levels for Maintaining Acceptable Indoor Air Quality (DTIC Accession No.: AD-A230026)

T.R. 92-0016  
29 CFR 1910.94

Guide for Indoor Air Quality Surveys  
Occupational Safety and Health Standards (Ventilation)

AIHA

"Heating and Cooling for Man in Industry"

## **WASTE DISPOSAL**

### **Electron Tubes and Spark Gaps**

T.O. 00-110N-4

Handling and Disposition of Radioactive Electron Tubes and Spark Gaps

### **Hospital Waste**

T.R. 91-0047

Infectious and Hazardous Waste Protocol for Medical Facilities (DTIC Accession No.: AD-A236346)

### **Krypton 85**

T.O. 0-110N-11

Handling, Storage, and Disposal of Krypton 85 Radioactive Source

### **Lensatic Compasses**

T.O. 00-110N10

Requisitioning, Use and Disposition of Lensatic Compass, NSN: 6605-00-846-7618YS

### **Petroleum**

T.O. 42B-1-23

Management of Recoverable and Waste Liquid Petroleum Products

### **Radioactive Waste**

T.O. 00-110N-2

Radioactive Waste Disposal

T.O. 00-110N-3 Requisition, Handling, Storage, and Identification of Radioactive Material  
T.O. 00-110N-4 Acquisition, Use, Storage, and Disposition of Nuclear Source Material

**Sanitary Landfills**

AFR 91-8 Solid Waste Management  
AFR 91-11 Solid Waste Management

**Solid Waste**

40 CFR 240-281 Protection of the Environment Subchapter I - Solid Wastes  
T.R. 88-069 Design Criteria for Process Wastewater Pretreatment Facilities, May 88 (DTIC Accession No.: AD-1989868)  
40 CFR 264.50 Subpart D Protection of the Environment: Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities

**WATER**

**Discharge**

40 CFR 122.26 Protection of the Environment 122.26  
NPDES (Storm Water Discharge State Programs)  
T.R. 84-168 Ground Water Hydrology Workbook  
T.R. 88-069 Design Criteria for Process Wastewater Pretreatment Facilities, MAY 1988 (DTIC Accession No.: AD-A198868)  
T.R. 91-0049 Water Vulnerability Assessments (DTIC Accession No.: AD-A235689)

**Fluoridation/Defluoridation (See WATER "Water Programs")**

**Navigable Waters**

33 CFR 330 Navigation and Navigable Waters  
Chapter II, Part 330 - Nationwide Permits

**Water Programs**

40 CFR 104-149 Protection of the Environment Subchapter D - Water Programs  
AFR 161-44 Management of the Drinking Water Surveillance Program

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**APPENDIX A**  
**ABBREVIATIONS**

Appendix A

**APPENDIX A**  
**ABBREVIATIONS**

**Alphabetical Listing**

AFOEHL ..... Air Force Occupational and Environmental Health Lab  
ACGIH ..... American Conference of Governmental Industrial Hygienists  
AFESC ..... Air Force Engineering Services Center  
AFM ..... Air Force Manual  
AFOSH STD ..... Air Force Occupational Safety & Health Standard  
AFP ..... Air Force Pamphlet  
AFR ..... Air Force Regulation  
AGE ..... Aerospace Ground Equipment  
AICUZ ..... Air Installation Compatibility Use Zone  
AIHA ..... American Industrial Hygiene Association  
AL ..... Armstrong Laboratory  
AL/OE ..... Armstrong Laboratory, Occupational and Environmental Health Directorate  
ANSI ..... American National Standards Institute  
AUTOVON ..... See DSN  
CBPO ..... Consolidated Base Personnel Office  
CCPO ..... Consolidated Civilian Personnel Office  
CDC ..... Centers for Disease Control  
CE ..... Civil Engineering  
CERCLA ..... Comprehensive Environmental Response, Compensation, and Liability Act  
CFR ..... Code of Federal Regulations  
CHAP ..... Children Have a Potential  
DEQPPM ..... Defense Environmental Quality Program Policy Memorandum

Appendix A

DOD ..... Department of Defense  
DOT ..... Department of Transportation  
DSN ..... Digital Switching Network (Replaced AUTOVON).  
Telephone Dialing System  
EIES BBS ..... Electronic Information Exchange System,  
Bulletin Board System  
EPA ..... Environmental Protection Agency  
HAZCOM ..... Hazard Communication Right-to-Know Program  
IAQ ..... Indoor Air Quality  
JCAHO ..... Joint Commission on Accreditation of Health  
Organizations  
MMWR ..... Morbidity and Mortality Weekly Report  
MSDS ..... Material Safety Data Sheet  
NBC ..... Nuclear Biological Chemical  
NCRP ..... National Council on Radiation Protection &  
Measurement  
NDI ..... Non-destructive Inspection  
NEC ..... National Electric Code  
NFC ..... National Fire Code  
NFPA ..... National Fire Protection Association  
NIOSH ..... National Institute for Occupational Safety and  
Health  
NPDES ..... National Pollution Discharge Elimination System  
NRC ..... Nuclear Regulatory Commission  
OJT ..... On-the-job Training  
OSHA ..... Occupational Safety & Health Administration  
RAMP ..... Radon Assessment & Mitigation Program  
RAP ..... Radiation Assistance Program  
RCRA ..... Resource Conservation and Recovery Act

Appendix A

RF ..... Radio Frequency  
RTECS ..... Registry of Toxic Effects of Chemical Substances  
STEL ..... Short Term Exposure Level  
TLV ..... Threshold Limit Value  
TOMES PLUS .... Toxicology, Occupational Medicine and Environmental Series (Call AL/OEM, Brooks AFB, TX DSN: 240-2063)  
T.R. ..... Technical Report (Armstrong Laboratory, Occupational and Environmental Health Directorate, formerly AFOEHL).  
USAFSAM ..... United States Air Force School of Aerospace Med., Brooks AFB, Texas  
VDT ..... Video Display Terminal  
VOL ..... Volume

\* To order EPA publications, write to: ORD Publications, P.O. Box 12505, Cincinnati, Ohio 45212

#### Appendix A

**APPENDIX B**  
**CONVERSION FACTORS**

Appendix B

**APPENDIX B**  
**CONVERSION FACTORS**

**Alphabetical listing**

<b>CONVERT FROM</b>	<b>TO</b>	<b>MULTIPLY BY</b>
ACRE	METER <sup>2</sup>	4.046856 X 10 <sup>3</sup>
ACRE	FEET <sup>2</sup>	43,560 X FEET
ACRE-FEET	METER <sup>3</sup>	1.23348 X 10 <sup>3</sup>
ACRE-FEET	GALLONS	3.259 X 10 <sup>5</sup>
ANGSTROM	METER	1 X 10 <sup>-10</sup>
ATMOSPHERE	NEWTON/METER <sup>2</sup>	101325
ATMOSPHERE	CM OF HG	76
ATMOSPHERE	INCHES OF HG	29.92
ATMOSPHERE	FEET OF H <sub>2</sub> O	33.9
ATMOSPHERE	INCHES OH H <sub>2</sub> O	407.3
ATMOSPHERE	LBS/INCH <sup>2</sup>	14.7
ATMOSPHERE	MM HG	760
BAR	NEWTON/METER <sup>2</sup>	1 X 10 <sup>-5</sup>
BECQUERELS	CURIOS	2.7027 X 10 <sup>-11</sup>
BECQUERELS	PICOCURIOS	27.027
BTU	GRAM-CALORIES	251.9957611
BTU	JOULES	1054.35
BTU/HR	WATTS	0.2929
BUSHEL	METER <sup>3</sup>	0.03524
CALORIES	GRAM (MEAN BTU)	3.9470 X 10 <sup>-3</sup>
CELSIUS(TEMPERATURE)	KELVIN	K=C+273.15
CELSIUS	FAHRENHEIT	(Co x 9/5) + 32

Appendix B

CONVERT FROM	TO	MULTIPLY BY
CENTIMETERS OF HG	FEET OF WATER	0.4461
CENTIMETERS OF HG	LBS/INCH <sup>2</sup>	0.1934
CENTIMETERS OF HG	ATMOSPHERE	0.01316
CENTIMETERS OF HG (0 degrees C)	NEWTON/METER <sup>2</sup>	1333.2
CENTIMETERS	INCHES	0.3937
CENTIMETER/SECOND	FEET/MIN	1.969
CENTIMETER/SECOND	MILES/HR	0.02237
COULOMBS	FARADAYS	1.036 X 10 <sup>-5</sup>
CUBIC CENTIMETERS	CUBIC FEET	3.531 X 10 <sup>-5</sup>
CUBIC CENTIMETERS	CUBIC METERS	10 <sup>-6</sup>
CUBIC CENTIMETERS	GALLONS	2.642 X 10 <sup>-4</sup>
CUBIC CENTIMETERS	LITERS	10 <sup>-3</sup>
CUBIC FEET	CUBIC METERS	0.02832
CUBIC FEET	GALLONS	7.48052
CUBIC FEET	LITERS	28.32
CUBIC FEET/SECOND	MILLION GALS/DAY	0.646317
CUBIC METER	CUBIC FEET	35.31
CUBIC METER	GALLON (US LIQ)	264.17
CUBIC METER	LITER	1000
CUP	METER <sup>3</sup>	2.366 X 10 <sup>-4</sup>
CURIE	DISINTEGRATIONS/SEC	3.7 X 10 <sup>10</sup>
CURIE	DISINTEGRATIONS/MIN	2.22 X 10 <sup>8</sup>
DEGREE	GRADS	1.111111
DEGREE (ANGLE)	RADIAN	0.017745
DENIER (INTERNAT.)	KILOGRAM/METER	1 X 10 <sup>-7</sup>

## Appendix B

CONVERT FROM	TO	MULTIPLY BY
DYNE	NEWTON	$1 \times 10^{-5}$
ELECTRON VOLT	JOULE	$1.602 \times 10^{-19}$
ERG	BTU	$9.48451 \times 10^{-11}$
ERG	JOULE	$1 \times 10^{-7}$
ERG	MeV	$6.24 \times 10^5$
FAHRENHEIT (TEMPERATURE)	CELSIUS	$C = (5/9)(F - 32)$
FAHRENHEIT (TEMPERATURE)	KELVIN	$K = (5/9)(F + 459.67)$
FATHOM	METER	1.8288
FEET	CENTIMETERS	30.48
FEET	METERS	0.3048
FEET/MIN	CENTIMETERS/SEC	0.508
FERMI	METER	$1 \times 10^{-15}$
FLUID OUNCE (US)	METER <sup>3</sup>	$2.957 \times 10^{-5}$
FOOT	METER	0.3048
FOOT <sup>3</sup>	GALLON	7.481
FOOT <sup>3</sup>	METER <sup>3</sup>	$2.83168 \times 10^{-2}$
FOOT <sup>3</sup> /SECOND	METER <sup>3</sup> /SECOND	$4.72 \times 10^{-4}$
FOOT OF WATER (39.2 degree F)	NEWTON/METER <sup>2</sup>	2988.98
FOOTCANDLE	LUMEN/METER <sup>2</sup>	10.764
FURLONG	METER	201.17
GALLON (BRITISH)	METER <sup>3</sup>	0.0045461
GALLON (US DRY)	METER <sup>3</sup>	0.00440488
GALLON (US LIQUID)	METER <sup>3</sup>	0.003785
GALLON	LITER	3.785411784

## Appendix B

CONVERT FROM	TO	MULTIPLY BY
GRAD	DEGREE (ANGULAR)	0.9
GRAD	RADIAN	1.019708
GRAIN	KILOGRAM	6.4799 X 10 <sup>-5</sup>
GRAM	KILOGRAM	1 X 10 <sup>-3</sup>
INCH	METER	0.0254
INCH <sup>2</sup>	METER <sup>2</sup>	6.4516 X 10 <sup>-4</sup>
INCH <sup>3</sup>	METER <sup>3</sup>	1/63871 X 10 <sup>-5</sup>
INCH OF MERCURY (32 <sup>0</sup> F)	NEWTON/METER <sup>2</sup>	3.386 X 10 <sup>3</sup>
INCH OF MERCURY (60 <sup>0</sup> F)	NEWTON/METER <sup>2</sup>	3.377 X 10 <sup>3</sup>
INCH OF WATER (39.2 <sup>0</sup> F)	NEWTON/METER <sup>2</sup>	2.491 X 10 <sup>2</sup>
INCH OF WATER (60 <sup>0</sup> F)	NEWTON/METER <sup>2</sup>	2.488 X 10 <sup>2</sup>
KILOMETER/HOUR	METER/SECOND	0.277778
KNOTS (INTERNATIONAL)	METER/SECOND	0.51444
LB M (POUND MASS, AVOIRDUPOIS)	KILOGRAM	0.45359
LB <sub>f</sub> /FOOT <sup>2</sup>	TON/METER <sup>2</sup>	47.880258
LB <sub>f</sub> /INCH <sup>2</sup> (psi)	NEWTON/METER <sup>2</sup>	6.8948 X 10 <sup>3</sup>
LIGHT YEAR	METER	9.46055 X 10 <sup>15</sup>
LITER	METER <sup>3</sup>	1 X 10 <sup>-3</sup>
LITER	CUBIC FEET	0.03531
LITER	CUBIC INCHES	61.02
LITER	PINTS	2.11331
LITER	QUARTS (LIQUID)	1.057
METER	FEET	3.281

## Appendix B

CONVERT FROM	TO	MULTIPLY BY
METER	INCHES	39.37
MICRON	METER (LIQUID)	$1 \times 10^{-6}$
MILE (US STATUTE)	METER	$1.60934 \times 10^3$
MILE (BRITISH NAUTICAL)	METER	$1.8532 \times 10^3$
MILE (INT'L NAUTICAL)	METER	$1.852 \times 10^3$
MILE <sup>2</sup> (US STATUTE)	METER <sup>2</sup>	$2.58999 \times 10^6$
MILE/HOUR	METER/SECOND	0.44704
MILE/MINUTE	METER/SECOND	26.8224
MILLIBAR	NEWTON/METER <sup>2</sup>	$1 \times 10^2$
MILLIGRAM/M <sup>3</sup>	PPM	<u>MG/M<sup>3</sup> X 24.45</u> MW
MILLIMETER OF MERCURY (0°C)	NEWTON/METER <sup>2</sup>	$1.3332 \times 10^2$
NAUTICAL MILE (US)	METER	$1.852 \times 10^3$
OUNCE MASS (AVOIRDUPOIS)	KILOGRAM	$2.8350 \times 10^{-2}$
OUNCE MASS (TROY OR APOTHECARY)	KILOGRAM	$3.1103 \times 10^{-2}$
OUNCE (US FLUID)	METER <sup>3</sup>	$2.95735 \times 10^{-5}$
OUNCE	LITER	0.0295735
PINT (US DRY)	METER <sup>3</sup>	$5.50610 \times 10^{-4}$
PINT (US LIQUID)	METER	$4.73176 \times 10^{-4}$
POUND MASS, LBM (AVOIRDUPOIS)	KILOGRAM	$4.5359 \times 10^{-1}$
POUND MASS, LBM (TROY OR APOTHECARY)	KILOGRAM	$3.7324 \times 10^{-1}$
PPM	MG/m <sup>3</sup>	<u>PPM (MW)</u> 24.45

Appendix B

CONVERT FROM

TO

MULTIPLY BY

$$\text{PPM } @ 25^{\circ}\text{C} = \frac{3.268 \times 10^9 (\text{GAL LIQ}) (\text{SP GR})}{\text{MW} \times (\text{CU FT OF SPACE})}$$

$$\text{PPM} = (v)(p) \frac{22.4}{\text{MW}} \frac{T}{273} \frac{760}{p}$$

 $v$  = VOLUME IN ML $p$  = DENSITY IN GRAMS PER ML $V$  = VOLUME OF AIR OR CHAMBER

PSI (LB <sub>f</sub> /INCH <sup>2</sup> )	NEWTON/METER <sup>2</sup>	$1.3332 \times 10^2$
QUART (US DRY)	METER <sup>3</sup>	$1.10122 \times 10^{-3}$
QUART (US LIQUID)	METER <sup>3</sup>	$9.4635 \times 10^{-4}$
RAD (RADIATION ABSORBED DOSE)	JOULE/KILOGRAM	0.01
RANKINE	KELVIN	$K=(5/9)R$
ROD	METER	5.0292
ROENTGEN	COULOMB/KILOGRAM	$2.5798 \times 10^{-4}$
STATUTE MILE	METER	$1.6093 \times 10^3$
TABLESPOON	METER <sup>3</sup>	$1.478676 \times 10^{-5}$
TEASPOON	METER <sup>3</sup>	$4.928922 \times 10^{-6}$
TON (METRIC)	KILOGRAM	$1 \times 10^3$
TON (NUCLEAR EQUIVALENT OF TNT)	KILOGRAM	$4.20 \times 10^9$
TON (SHORT, 2000 LB)	KILOGRAM	$9.07185 \times 10^2$
TORR ( $0^{\circ}\text{C}$ )	NEWTON/METER <sup>2</sup>	$1.3332 \times 10^2$
YARD	METER	0.9144
YARD <sup>2</sup>	METER <sup>2</sup>	0.83613
YARD <sup>3</sup>	METER <sup>3</sup>	$7.6455486 \times 10^{-1}$
YEAR (CALENDAR)	SECOND (MEAN SOLAR)	$3.1536 \times 10^7$
YEAR (SIDEREAL)	SECOND (MEAN SOLAR)	$3.1558150 \times 10^7$
YEAR (TROPICAL)	SECOND (MEAN SOLAR)	$3.1556926 \times 10^7$

Appendix B

**APPENDIX C**  
**TECHNICAL ORDER LISTING FOR MEDICAL READINESS**

Appendix C

## APPENDIX C

### Technical Order Listing for Medical Readiness

#### MEDICAL READINESS

##### Broken Arrow Guidance

T.R. 83-115 A Broken Arrow Guide for Base  
Bioenvironmental Engineers  
T.R. 84-001 Broken Arrow Checklist for  
Bioenvironmental Engineers

##### Chemical, Biological Material

T.O. 11C15-1-3 Chemical, Biological and Etiological Material

##### Detection/Decontamination Procedures and Equipment

T.O. 11C15-1-3 Chemical Warfare Decontamination, Detection  
and Disposal of Decontaminating Agents

T.O. 11D1-1-101

Decontaminating and Reimpregnating Kit,  
Individual, M13

T.O. 11D1-1-111

Decontaminating Kit, Skin; Personal M-258A

T.O. 11D1-3-8-1

Decontaminating Apparatus, Power Driven,  
Portable, Type A/E 32U-8, Part Number  
26000-100, -101, -102 (Engineered Air)

T.O. 11D2-3-3-1

Impregnating Set, Clothing, Field, M3, AND  
Testing Kit, Impregnate-in-clothing, M2

T.O. 11H2-1-101

Marking Contaminated or Dangerous Areas

T.O. 11H2-14-5-1

Paper, Chemical Agent, VGH ABC-M8 and Tape  
Chemical Agent Detector, M9

T.O. 11H2-17-1 Operator's and Unit Maintenance Manual for  
M8A1 Automatic Chemical Agent Alarm (NSN:  
6665-01-105-5623)

T.O. 11H2-17-2 Direct Support Maintenance Instructions  
(RPSTL)-M8A1 Automatic Chemical Agent  
Alarm, NSN: 6665-01-105-5623 and Auxillary  
Equipment

T.O. 11H2-21-1 Operator's Manual - Chemical Agent Detector  
Kit, Model M256 and M256A1

T.O. 11H2-6-1 Detector Kit, Chemical Agent, Model ABC-M18A2

T.O. 11H2-6-1 Detector Kit, Chemical Agent, Model AN-M15A2A

T.O. 11H2-7-1 Water Testing Kit, Chemical Agents, AN-M2  
and Refill Kit ABC-MC0A1

T.O. 11H2-8-1 Alarm Set, Chemical Agent, Auto Alarm, A/E23D-3

T.O. 11H4-2-12-1

Radiac Detector Charger, CDV-750

T.O. 11H4-2-15-1

AN/PDR 56G

T.O. 11H4-2-31 Radiac Set PAC-1S-1, Operation

Appendix C

T.O. 11H4-6-1-1 IO Chamber Dosimeters  
T.O. 11H4-7-3-121 Radiac Set AN PDR-27G and AN PDR-27GZ  
T.O. 11H4-7-3-131 Radiac Set AN/PDR-43A, AN/PDR-43B and AN/PDR-43D  
T.O. 11H4-7-3-171 Radiac Set AN/PDR-43E  
T.O. 11H4-7-3-201 Radiac Set AN/PDR-27T - Operations,  
Maintenance and Overhaul <sup>W</sup>/Parts Breakdown  
T.O. 11H4-2-14-1 Radiac Set AN/PDR-43E, Operation, Maintenance,  
Overhaul Instructions <sup>W</sup>/Parts Breakdown  
T.O. 00-110A-12 Operational Instructions, Anti-contamination Ensemble  
T.O. 11H4-7-3-211 Radiac Set AN/PDR-56F  
T.O. 11H4-7-7-1 Air Transportable Radiac Package (ATRAP)  
T.O. 11H4-7-8-1 Instruction Manual, Gamma Survey Meter Model 592B  
T.O. 11H4-7-9-1 Instruction Manual For Model 440, Low Energy Survey Meter  
T.O. 11H4-8-4-1 Utilization and Maintenance of Plutonium 239 Test Sample Sets, FSN 6665-767-7497  
T.O. 11H4-8-5-1 Utilization and Maintenance of Cesium 137 Test Samples

#### Personal Protective Equipment

T.O. 14P3-1-141 Ground Crew Chemical Defense Ensemble  
T.O. 14P3-1-7 Toxicological Protective Suit, Type M-3, M Apron  
T.O. 14P4-1-151 Chemical Biological Canisters and Filter Element Procedures and Serviceability Lists  
T.O. 14P4-15-1 Chemical Biological Mask Type MCU-2/P  
T.O. 14P4-3-31 Mask, Protective Special Purpose, M9A1  
T.O. 14P4-9-31 Masks, Protective Field M17, M17A1, and M17A2 and Accessories

#### Riot Control Agents

T.O. 11C5-3-7 Riot Control Agents CS-1 and CS-2  
T.O. 11C5-5-2-7 Riot Control CN, M2 Pellets and CS Capsules

Appendix C

**APPENDIX D**

**References on  
Reproductive Hazards in the  
Occupational Environment**

**Appendix D**

## APPENDIX D

### References on Reproductive Hazards in the Occupational Environment

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List compiled by the United States Air Force School of Aerospace Medicine Military Public Health Branch, Brooks AFB, TX 78235-5000 DSN: 240-2058 or 2059

Appendix D

**APPENDIX E**

**QUICK REFERENCE**  
**T.O. INVENTORY**  
**FOR AEROSPACE MEDICINE**

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**QUICK REFERENCE  
T.O. INVENTORY  
FOR AEROSPACE MEDICINE**

<b>T.O. Number</b>	<b>Subject</b>	<b>Date of Issue</b>
00-5-	AF T.O. System	1 Jul 89
00-5-2	T.O. Distribution System	15 Aug 87
00-20-1	Preventive Maintenance Program - General Policy Requirements and Procedures	1 May 88
00-20B-5	USAF Motor Vehicle and Vehicular Equipment Inspection	7 Apr 88
00-25-172	Ground Servicing of Aircraft and Static Grounding/Bonding	1 Feb 87
00-25-203	Contamination Control of Aerospace Facilities, U.S. Air Force	1 Dec 72
00-25-235	Safety Procedures and Equipment for Confined Space Entry (Including Missile Propellant Tanks)	25 Jan 74
00-25-237	Procedures for Identifying and Justifying Base Requirements for Aircraft Turbine Engine Ground Run-up Noise Suppressors	30 Sep 83
00-25-238	Base Level Maintenance and Calibration of All Jet Engine Test Stands/Cells and Demountable Noise Suppressor Systems	30 Aug 71
00-25-251	Installation, Operation, Maintenance, Care, and Handling Instructions, General for Microwave Tubes, Magnetron Tubes, and Electron Tubes	1 Oct 79
00-85-37	Foam-In-Place Packaging	15 Oct 86
00-85A-03-1	Preservation, Packaging and Packing External Aircraft Fuel Tanks/Cells	15 May 89
00-110A-1	Guidelines for Identification and Handling of Aircraft and Materiel Contaminated with Radioactive Debris (Fallout)	15 Apr 86
00-110A-12	Operational Instructions, Anti-Contamination Ensemble	1 Apr 89

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00-110N-2	Radioactive Waste Disposal	22 Jun 88
00-110N-3	Requisition, Handling, Storage, and Identification of Radioactive Material	15 Aug 86
00-110N-4	Acquisition, Use, Storage, and Disposition of Nuclear Source Material	31 May 85
00-110N-7	Handling and Disposition of Radioactive Electron Tubes and Spark Gaps	1 Jan 90
00-110N-10	Requisitioning, Use, and Disposition of Lensatic Compass NSN 6605-00-846-7618YS	15 Feb 81
00-110N-11	Handling, Storage, and Disposal of Krypton 85 Radioactive Source	15 Aug 84
00-110N-12	Requisitioning, Use, Storage, and Disposition of Submersible Wrist Compass	15 Mar 82
00-110N-13	Requisitioning, Use and Disposition of Night Vision Adaptometer	1 Mar 86
00-110N-14	Radioactive Test Sample, Krypton 85, Gamma, MX7338/PDR-27R	1 Dec 75
00-110N-15	Requisition, Use and Disposition of Lensatic Compass NSN 6605-00-151-5337YS	1 Sep 80
1-1-3	Inspection and Repair of Aircraft Integral Tanks and Fuel Cells	24 Aug 89 .
1-1-8	Application of Organic Coatings, Aerospace Equipment	1 Sep 89
1-1-691	Aircraft Weapons Systems Cleaning and Corrosion Control	1 Jul 88
8D2-3-1	Aircraft Nickel Cadmium Storage Batteries	30 Sep 85
11C5-5-2-7	Riot Control CN, M2 Pellets and CS Capsules	31 Jan 78
11C5-5-3-7	Riot Control Agents CS-1 and CS-2	1 May 74
11C15-1-2	Chemical, Biological, and Etiological Material	9 Feb 68
11C15-1-3	Chemical Warfare Decontamination, Detection and Disposal of Decontaminating Agents	19 Apr 82

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11D1-1-101	Decontaminating and Reimpregnating Kit Individual, M13	18 Aug 78
11D1-1-111	Decontaminating Kit, Skin; Personal M-258A1	29 Sep 89
11D1-3-6-1	Decontaminating Apparatus, Portable, DS2, 1-1/2 Quart, ABC-M11	28 Mar 69
11D1-3-8-1	Decontaminating Apparatus, Power Driven, Portable, Type A/E 32U-8, Part Number 26000-100, -101, -102 (Engineered Air)	15 Dec 89
11D2-3-3-1	Impregnating Set, Clothing, Field, M3, and Testing Kit, Impregnate-in-Clothing, M2	18 Jun 85
11H2-1-101	Marking Contaminated or Dangerous Areas	1 Mar 81
11H2-5-1	Detector Kit, Chemical Agent, Model ABC-M18A2	2 May 77
11H2-6-1	Detector Kit, Chemical Agent, Model AN-M15A2A	15 Apr 68
11H2-7-1	Water Testing Kit, Chemical Agents, AN-M2 and Refill Kit ABC-M30A1	1 Apr 72
11H2-8-1	Alarm Set, Chemical Agent, Auto Alarm, A/E23D-3	30 Sep 78
11H2-14-5-1	Paper, Chemical Agent, VGH ABC-M8 and Tape, Chemical Agent Detector, M9	15 Jul 85
11H2-17-1	Operator's and Unit Maintenance Manual for M8A1 Automatic Chemical Agent Alarm (NSN 6665-01-105-5623)	17 Mar 85
11H2-17-2	Direct Support Maintenance Instructions (RPSTL)-M8A1 Automatic Chemical Agent Alarm, NSN 6665-01-105-5623 and Auxillary Equipment	1 Mar 85
11H2-21-1	Operator's Manual - Chemical Agent Detector Kit, Model M256 and M256A1	1 Sep 85
11H4-2-12-1	RADIAC Detector Charger, CDV-750	30 Aug 68
11H4-2-14-1	RADIAC Set AN/PDR-43E, Operation, Maintenance, Overhaul Instructions with Parts Breakdown	8 Aug 77
11H4-2-15-1	AN/PDR 56G	12 Jul 76

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11H4-4-2-31	RADIAC Set PAC-1S-1, Operation	1 Sep 72
11H4-6-1-1	Ion Chamber Dosimeters	1 Feb 68
11H4-7-3-121	RADIAC Set AN PDR-27G and AN PDR-27GZ	16 Oct 67
11H4-7-3-131	RADIAC Set AN/PDR-43A, AN/PDR-43B and AN/PDR-43D	15 Jul 65
11H4-7-3-171	RADIAC Set AN/PDR-43E	20 Jan 74
11H4-7-3-201	RADIAC Set AN/PDR-27T - Ops, Maint & Overhaul w/Parts Breakdown	1 Oct 82
11H4-7-3-211	RADIAC Set AN/PDR-56F	1 Mar 82
11H4-7-7-1	Air Transportable Radiac Package (ATRAP)	1 May 81
11H4-7-8-1	Instruction Manual, Gamma Survey Meter Model 592B	1 Dec 75
11H4-7-9-1	Instruction Manual for Model 440, Low Energy Survey Meter	1 Jul 74
11H4-8-4-1	Utilization and Maintenance of Plutonium 239 Test Sample Sets, FSN 6665-767-7497	Jul 85
11H4-8-5-1	Utilization and Maintenance of Cesium 137 Test Samples	15 Jul 70
11H5-2-11	U.S.A.F. Type R-1 Explosimeter, Ops and Service	1 Apr 58
11H5-14-1	Combustible/Toxic Gas Indicator Type R-2	19 Jun 70
11H5-15-1	Carbon Monoxide Detector Kit Type B1	30 Nov 83
11H5-17-1	OPN Instr with IPB -- Combustible/Toxic Gas Indicator, Model TBA 5100-1	13 Jul 75
14P3-1-7	Toxicological Protective Suit, Type M-3, M2 Apron	31 Oct 69
14P3-1-121	Custom Fitting Procedures for Flying Helmet Assemblies, Types HGU-2A/P, HGU-22/P and HGU-26/P	15 Mar 89
14P3-1-141	Groundcrew Chem-Defense Ensemble	19 Apr 84
14P4-1-151	Chemical-Biological Canisters and Filter Element Procedures and Serviceability Lists	28 Nov 89

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14P4-3-31	Mask Protective Special Purpose, M9A1	25 Jun 70
14P4-9-31	Masks, Protective Field M17, M17A1, and M17A2 and Accessories	15 Sep 89
14P4-15-1	Chemical-Biological Mask Type MCU-2/P	30 Oct 89
31Z-10-4	Electromagnetic Radiation Hazards	15 Oct 81
33B-1-1	Non-Destructive Inspection Methods	1 Mar 90
33C3-10-1	Instruction Manual-Port. rH/Temp. Recorder	18 Jan 67
35-1-3	Corrosion Prevention, Painting and Marking of USAF Support Equipment (SE)	16 Jun 80
42A-1-1	Safety, Fire Precaution and Health Promotion Aspects of Painting and Paint Removal	26 Dec 85
42A2-1-4	Control of Paints and Allied Materials	26 Jul 66
42A3-1-2	General Use of Cements, Sealants, and Coatings	9 Jun 67
42B-1-6	Corrosion Preventive Lubricants, and Anti-Seize Compounds	3 Oct 80
42B-1-22	Quality Control of Compressed and Liquid Breathing Air	15 Dec 70
42B-1-23	Management of Recoverable and Waste Liquid Petroleum Products	1 Sep 86
42B1-1-18	General Procedures - Handling of H-70 Fuel (Hydrazine-Water Fuel) F-16	15 Mar 81
42B2-1-3	Fluids for Hydraulic Equipment	1 Nov 86
42B5-1-2	Gas Cylinders (Storage Type)	30 Dec 87
42B6-1-1	Quality Control of Oxygen Propellant Liquid Oxygen, Aviator's Liquid Breathing Oxygen, and Aviator's Gaseous Breathing O <sub>2</sub>	1 Jun 75
42B7-3-1-1	Quality Control of Nitrogen	15 Feb 83
42C-1-12	Quality Control of Chemicals	31 Oct 84
42C-1-20	Chemical Cleaning	15 May 83
42C2-1-7	Metal Treatments	15 Mar 79

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